

ABSTRACT

A method for translating between Standard Commands for Programmable Instrumentation (SCPI) protocol and .NET protocol communications. When the communication from the client is a SCPI protocol command, it is converted to a .NET protocol command. The .NET protocol command is evaluated to determine the validity of the parameters sent from the client with the SCPI protocol command. Otherwise, when the communication is a SCPI protocol query from the client, the SCPI protocol query is converted to a .NET protocol query, and the .NET protocol query is evaluated to determine the validity of the parameters sent from the client with the SCPI protocol query. When the communication is intended for an instrument application, an appropriate Application Program Interface (API) responsive to method calls in the .NET protocol is then called.